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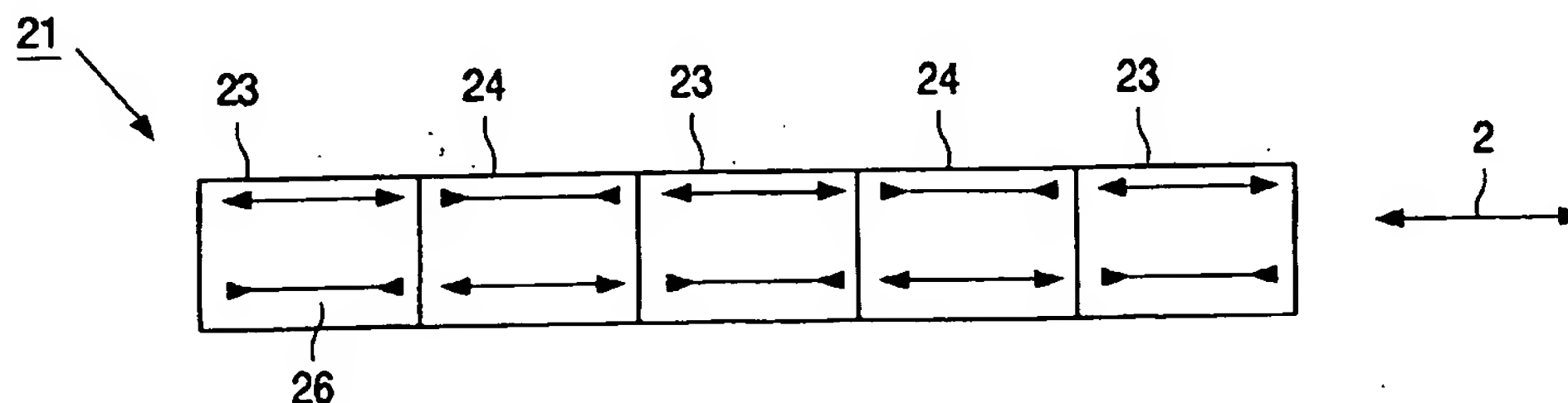
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(54) Title: FLEXIBLE FOIL MOVEABLE BY NON-MECHANICAL MEANS



(57) Abstract: A foil moveable by non-mechanical means, such as light or heat, comprises an alternating array of first and second foil sections each resiliently and non-mechanically moveable between a flattened state and a bent state. The direction in which the first foil sections bend, when moved from the flattened to the bent state, is opposite to the direction in which the second foil sections bend when moved from the flattened to the bent state. When, in the flattened state, non-mechanically stimulating the first and second foil sections in unison, the first and second foil sections bend in opposite directions causing the foil to wrinkle, which results in a movement which is substantially linear. Using a different or removing the non-mechanical stimulus, the foil sections can be made to unbend resulting in a flattening and expansion of the foil to its original shape.

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